

Last information update: October 2024

**Product configuration: BY37**

BY37: Mini - Wall-/Ceiling-mounted - Warm White LED - 24V/500mA dc - L=528mm - 32° Flood Optic

**Product code**

BY37: Mini - Wall-/Ceiling-mounted - Warm White LED - 24V/500mA dc - L=528mm - 32° Flood Optic

**Technical description**

Direct light luminaire, designed to use monochrome LED lamps. Ceiling- and wall-mounted. Consists of a body and supports for installation (to be ordered separately). Extruded aluminium body, with zamak die-cast end caps complete with silicone gaskets. Coated with liquid acrylic paint with a high level of weather and UV ray resistance. The top of the optical assembly is closed by a 3 mm thick transparent glass screen, fixed with silicone. Complete with multi-LED power plate in Warm White with 24V/500mA dc electronic circuit (power supply to be ordered separately); 24V/500mA smart driver allowing constant light flow emission despite variations in the input voltage (from 30V dc to 16V dc). Fitted with satin-finish polycarbonate film and optics with plastic (methacrylate) lens for 32° FLOOD lighting. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

**Installation**

The following accessories are available for installation: adjustable wall-mounted arms in AISI304 stainless steel (L=83mm code BZJ9, 200mm code BZJ8) and a plate for surface- or ceiling-mounting made of anodised aluminium (BZJ6).

**Colour**

Grey (15)

**Weight (Kg)**

0.89

**Mounting**

wall surface|ceiling surface

**Wiring**

The product is supplied with a single nickel-plated brass cable gland PG9 and a 2x1mm<sup>2</sup> PVC and polyurethane outlet cable, 2000mm long. For the electrical connection there is an IP68 linear connector (BZK6) and an IP67 junction box with quick-coupling terminals (BZK7). 24V/500mA dc electronic ballasts to be ordered separately: 32W (BZA0), 25W (K980) and 35W (BZM4)

**Notes**

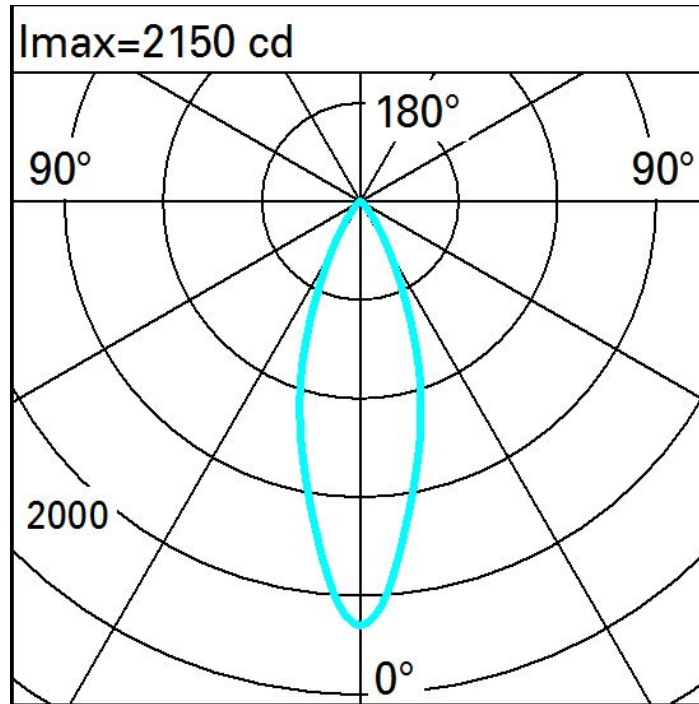
Product complete with LED lamp

Complies with EN60598-1 and pertinent regulations

**Technical data**

|  |      |                                       |                               |
|--|------|---------------------------------------|-------------------------------|
| Im system:   | 900  | MacAdam Step:                         | 3                             |
| W system:  | 18   | Life Time LED 1:                      | 65,000h - L80 - B10 (Ta 25°C) |
| Im source:   | 1500 | Life Time LED 2:                      | 65,000h - L80 - B10 (Ta 40°C) |
| W source:  | 18   | Voltage [Vin]:                        | 36                            |
| Luminous efficiency (Im/W, real value):            | 50   | Lamp code:                            | LED                           |
| Im in emergency mode:                              | -    | Number of lamps for optical assembly: | 1                             |
| Total light flux at or above an angle of 90° [Lm]: | 0    | ZVEI Code:                            | LED                           |
| Light Output Ratio (L.O.R.) [%]:                   | 60   | Number of optical assemblies:         | 1                             |
| Beam angle [°]:                                    | 34°  | Intervallo temperatura ambiente:      | from -30°C to 50°C.           |
| CRI (minimum):                                     | 80   | LED current [mA]:                     | 500                           |
| Colour temperature [K]:                            | 3000 |                                       |                               |

Polar



Illuminances

| Lux |   | Wall distance = 1m |     |   |    |    |    |    |     |     |     |     |  |
|-----|---|--------------------|-----|---|----|----|----|----|-----|-----|-----|-----|--|
| 3   |   |                    |     |   |    |    |    |    |     |     |     |     |  |
|     |   | 0.2                | 0.4 | 1 | 3  | 5  | 3  | 1  | 0.4 | 0.2 |     |     |  |
| 2   |   | 0.2                | 0.5 | 1 | 3  | 8  | 14 | 8  | 3   | 1   | 0.5 | 0.2 |  |
|     |   | 0.3                | 0.7 | 2 | 6  | 17 | 28 | 17 | 6   | 2   | 0.7 | 0.3 |  |
| 1   |   | 0.5                | 1   | 3 | 10 | 26 | 40 | 26 | 10  | 3   | 1   | 0.5 |  |
|     |   | 0.7                | 2   | 5 | 13 | 27 | 38 | 27 | 13  | 5   | 2   | 0.7 |  |
| 0   |   |                    |     |   |    |    |    |    |     |     |     |     |  |
|     | m | -2                 | -1  | 0 | 1  | 2  | 3  |    |     |     |     |     |  |